BOX 1 OF 2

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	KOPERDA ET AL.	GRP. ART UNIT:	UNKNOWN
APPL. NO.:	10/625,147	EXAMINER:	NOT ASSIGNED
FILED:	JULY 23, 2003	DOCKET NO.:	A-9277
TITLE:	SYSTEM AND METHOD FOR PROVIDING STATISTICS FOR FLEXIBLE BILLING IN A CABLE ENVIRONMENT		

AUGUST 20, 2003

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

1. X 8 Page Information Disclosure Statement
2. X Form PTO-1449
3. X Copy of Cited Art
4. X Return Postcard

In the event a fee is required, the Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to our Deposit Account No. 19-0761. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted:

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.
Intellectual Property Dept. MS 4.3.510
5030 Sugarloaf Parkway
Lawrenceville, GA 30044

By: Kenneth M. Massaroni
KENNETH M. MASSARONI
Attorney of Record
Reg. No.: 33,015
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Certificate of Hand Delivery

I, Jennifer Harris-Lohse, hereby certify that a copy of this Information Disclosure Statement with all attachments was hand delivered to the United States Patent and Trademark Office, 2011 South Clark Place, Customer Window, Mail Stop DD, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202 on Aug. 20, 2003.

Jennifer Harris-Lohse
Signature

Jennifer Harris-Lohse
Printed Name

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

☒ under 37 CFR 1.97(b), or
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

☐ under 37 CFR 1.97(c) together with either a:
- ☐ Statement Under 37 C.F.R. 1.97(e), or
- ☐ a $180.00 fee under 37 CFR 1.17(p), or

(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with a:
- ☐ Statement under 37 CFR 1.97(e), and
- ☐ a petition under 37 CFR 1.97(d)(2), and
- ☐ a $180.00 petition fee set forth in 37 CFR 1.17(i)(1).

(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge $0.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

☒ Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

The Cited Art includes:

1. U.S. 3,985,962
2. U.S. 4,186,380
3. U.S. 4,207,431
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☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

By: Kenneth M. Massaroni

KENNETH M. MASSARONI
Attorney of Record
Reg. No.: 33,015
Phone: (770) 236-4717
Fax No.: (770) 236-4806

SEND CORRESPONDENCE TO:
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Intellectual Property Dept. MS 4.3.510
5030 Sugarloaf Parkway
Lawrenceville, GA 30044

Certificate of Hand Delivery

I, Jennifer Harris-Lohse, hereby certify that a copy of this Information Disclosure Statement with all attachments was hand delivered to the United States Patent and Trademark Office, 2011 South Clark Place, Customer Window, Mail Stop DD, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202 on Aug. 20, 2003.

Jennifer Harris-Lohse
Signature

Jennifer Harris-Lohse
Printed Name

Form PTO-1449 U.S. Dept. of Commerce, Patent and Trademarks

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Attorney Docket No.: A-9277	Serial No.: 10/625,147	Filing Date: JULY 23, 2003
Applicant: KOPERDA ET AL.	Group: UNKNOWN	

U.S. PATENT DOCUMENTS

Examiner's Initial	Item	Document No.	Date	Name	Class	Subclass	
	A	3,985,962	10/12/76	Jones et al.	179	15	
	B	4,186,380	1/29/80	Edwin et al.	340	147	
	C	4,207,431	1/10/80	McVoy	179	1	
	D	4,361,851	11/30/82	Asip et al.	358	84	
	E	4,475,123	10/2/84	Dumbauld et al.	358	114	
	F	4,491,983	1/1/85	Pinnow et al.	455	612	
	G	4,528,589	7/9/85	Block et al.	358	122	
	H	4,536,791	8/20/85	Campbell et al.	358	122	
	I	4,577,224	3/18/86	Ost	358	114	
	J	4,601,028	7/15/86	Huffman et al.	370	15	
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	L	4,641,304	2/3/87	Raychaudhuri	370	95	
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	Q	4,823,386	4/18/89	Dumbauld et al.	380	13	

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		Document No.	Date	Country	Class	Subclass	Translation

OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)

EXAMINER	**DATE CONSIDERED:**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.

Form PTO-1449	U.S. Dept. of Commerce, Patent and Trademarks **LIST OF ART CITED BY APPLICANT** (Use several sheets if necessary)	
Attorney Docket No.: A-9277	Serial No.: 10/625,147	Filing Date: JULY 23, 2003
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	R	4,858,224	8/15/89	Nakano et al.	370	16	
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	V	5,012,469	4/30/91	Sardana	370	95.3	
	W	5,014,125	5/7/91	Pocock et al.	358	86	
	X	5,047,928	9/10/91	Wiedemer	364	406	
	Y	5,050,213	9/17/91	Shear	380	25	
	Z	5,113,499	5/12/92	Ankney et al.	395	325	
	AA	5,131,041	7/14/92	Brunner et al.	370	58.2	
	AB	5,136,690	8/4/92	Becker et al.	395	161	
	AC	5,142,690	8/25/92	McMullan, Jr., et al.	455	6.1	
	AD	5,155,590	10/13/92	Beyers, II et al.	358	86	
	AE	5,157,657	10/20/92	Potter et al.	370	85	
	AF	5,159,592	10/27/92	Perkins	370	85.7	
	AG	5,166,930	11/24/92	Braff et al.	370	94.1	
	AH	5,166,931	11/24/92	Riddle	370	94.1	

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	AM	5,208,665	5/4/93	McCalley et al.	358	86	
	AN	5,214,390	5/25/93	Montreuil	329	309	
	AO	5,226,120	7/6/93	Brown et al.	395	200	
	AP	5,235,619	8/10/93	Beyers, II et al.	375	38	
	AQ	5,239,540	8/24/93	Rovira et al.	370	77	
	AR	5,251,324	10/5/93	McMullan Jr.	455	2	
	AS	5,261,044	11/9/93	Dev et al.	395	159	
	AT	5,271,041	12/14/93	Montreuil	375	97	
	AU	5,276,789	1/4/94	Besaw et al.	395	140	
	AV	5,278,833	1/11/94	Crisler et al.	370	95	
	AW	5,287,351	2/15/94	Wall, Jr.	370	77	
	AX	5,295,140	3/15/94	Crisler et al.	370	94.1	
	AY	5,295,244	3/15/94	Dev et al.	395	161	
	AZ	5,303,234	4/12/94	Kou	370	85.2	

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	BA	5,327,554	7/5/94	Palazzi, III et al.	395	600	
	BB	5,333,183	7/26/94	Herbert	379	112	
	BC	5,347,304	9/13/94	Moura et al.	348	12	
	BD	5,361,259	11/1/94	Hunt et al.	370	84	
	BE	5,384,777	1/24/95	Ahmadi et al.	370	85.2	
	BF	5,390,181	2/14/95	Campbell et al.	370	85.2	
	BG	5,404,505	4/4/95	Levinson	395	600	
	BH	5,423,003	6/6/95	Berteau	395	200	
	BI	5,423,006	6/6/95	Brown et al.	395	275	
	BJ	5,436,909	7/25/95	Dev et al.	371	20.1	
	BK	5,440,555	8/8/95	Momona	370	79	
	BL	5,471,399	11/28/95	Tanaka et al.	364	491	
	BM	5,473,599	12/5/95	Li et al.	370	16	
	BN	5,481,542	1/2/96	Logston et al.	370	94.2	
	BO	5,483,631	1/9/96	Nagai et al.	395	155	
	BP	5,504,921	4/2/96	Dev et al.	395	800	
	BQ	5,515,361	5/7/96	Li et al.	370	15	
	BR	5,515,418	5/7/96	Yamaguchi et al.	379	34	

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	BS	5,517,488	5/14/96	Miyazaki et al.	370	16	
	BT	5,517,502	5/14/96	Bestler et al.	370	94.2	
	BU	5,517,618	5/14/96	Wada et al.	395	200	
	BV	5,521,925	5/28/96	Merakos et al.	370	95.3	
	BW	5,533,108	7/2/96	Harris et al.	379	201	
	BX	5,534,913	7/9/96	Majeti et al.	348	7	
	BY	5,535,206	7/9/96	Bestler et al.	370	79	
	BZ	5,535,403	7/9/96	Li et al.	395	800	
	CA	5,553,095	9/3/96	Engdahl et al.	375	222	
	CB	5,553,287	9/3/96	Bailey et al.	395	650	
	CC	5,572,640	11/5/96	Schettler	395	140	
	CD	5,586,121	12/17/96	Moura et al.	370	404	
	CE	5,594,798	1/14/97	Cox et al.	380	49	
	CF	5,604,528	2/18/97	Edwards et al.	348	5.5	
	CG	5,608,446	3/4/97	Carr et al.	348	6	
	CH	5,610,910	3/11/97	Focsaneanu et al.	370	351	
	CI	5,612,959	3/18/97	Takase et al.	370	390	
	CJ	5,644,706	7/1/97	Ruigrok et al.	395	185.01	

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U.S. PATENT DOCUMENTS

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	CK	5,650,994	7/22/97	Daley	370	259	
	CL	5,654,746	8/5/97	McMullan Jr. et al.	348	6	
	CM	5,675,732	10/7/97	Majeti et al.	395	200.01	
	CN	5,701,465	12/23/97	Baugher et al.	395	610	
	CO	5,703,795	12/30/97	Mankovitz	364	514	
	CP	5,706,277	1/6/98	Klink	370	220	
	CQ	5,708,655	1/13/98	Toth et al.	370	313	
	CR	5,708,961	1/13/98	Hylton, et al.	455	4.2	
	CS	5,710,884	1/20/98	Dedrick	395	200.47	
	CT	5,712,897	1/27/98	Ortel	379	22	
	CU	5,720,025	2/17/98	Wilkes et al.	395	182.04	
	CV	5,721,780	2/24/98	Ensor et al.	380	25	
	CW	5,724,492	3/3/98	Matthews, III et al.	395	119	
	CX	5,729,682	3/17/98	Marquis et al.	395	200	
	CY	5,737,311	4/7/98	Wyld	370	227	
	CZ	5,737,316	4/7/98	Lee	370	248	
	DA	5,751,706	5/12/98	Land et al.	370	352	

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U.S. PATENT DOCUMENTS

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	DB	5,751,707	5/12/98	Voit et al.	370	384	
	DC	5,751,971	5/12/98	Dobbins et al.	395	200.68	
	DD	5,761,602	6/2/98	Wagner, et al.	455	3.1	
	DE	5,768,280	6/16/98	Way	370	486	
	DF	5,790,548	8/4/98	Sistanizadeh et al.	370	401	
	DG	5,790,806	8/4/98	Koperda	395	200.82	
	DH	5,793,753	8/11/98	Hershey et al.	370	252	
	DI	5,796,718	8/18/98	Caterisano	370	217	
	DJ	5,799,002	8/25/98	Krishnan	370	234	
	DK	5,799,016	8/25/98	Onweller	370	401	
	DL	5,805,591	9/8/98	Naboulsi et al.	370	395	
	DM	5,805,596	9/8/98	Kranzler et al.	370	445	
	DN	5,808,671	9/15/98	Maycock et al.	348	180	
	DO	5,808,886	9/15/98	Suzuki	364	133	
	DP	5,812,819	9/22/98	Rodwin et al.	395	500	
	DQ	5,818,845	10/6/98	Moura et al.	370	449	
	DR	5,822,319	10/13/98	Nagami et al.	370	392	

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U.S. PATENT DOCUMENTS

Examiner's Initial	Item	Document No.	Date	Name	Class	Subclass	
	DS	5,828,655	10/27/98	Moura et al.	370	236	
	DT	5,828,666	10/27/98	Focsaneanu et al.	370	389	
	DU	5,835,696	11/10/98	Hess	395	182.08	
	DV	5,835,725	11/10/98	Chiang et al.	395	200.58	
	DW	5,841,468	11/24/98	Wright	348	6	
	DX	5,845,091	12/1/98	Dunne et al.	395	200.7	
	DY	5,859,852	1/12/99	Moura et al.	370	449	
	DZ	5,881,234	3/9/99	Scwob	395	200.49	
	EA	5,881,243	3/9/99	Zaumen et al.	395	200.71	
	EB	5,884,024	3/16/99	Lim et al.	395	187.01	
	EC	5,884,284	3/16/99	Peters et al.	705	30	
	ED	5,892,812	4/6/99	Pester, III	379	34	
	EE	5,894,479	4/13/99	Mohammed	370	401	
	EF	5,898,780	4/27/99	Liu et al.	380	25	
	EG	5,903,572	5/11/99	Wright et al.	370	524	
	EH	5,905,714	5/18/99	Havansi	370	242	
	EI	5,905,736	5/18/99	Ronen et al.	370	546	

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U.S. PATENT DOCUMENTS

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	EJ	5,956,391	9/21/99	Melen et al.	379	114	
	EK	5,959,972	9/28/99	Hamami	370	228	
	EL	5,966,163	10/12/99	Lin et al.	348	12	
	EM	5,999,970	12/7/99	Krisbergh et al.	709	217	
	EN	6,018,767	1/25/00	Fijolek et al.	709	218	
	EO	6,028,860	2/22/00	Laubach et al.	370	395	
	EP	6,032,266	2/29/00	Ichinohe et al.	714	9	
	EQ	6,049,826	4/11/00	Beser	709	222	
	ER	6,052,819	4/18/00	Barker et al.	714	776	
	ES	6,055,224	4/25/00	King	370	217	
	ET	6,058,421	5/2/00	Fijolek et al.	709	225	
	EU	6,065,049	5/16/00	Beser et al.	709	218	
	EV	6,070,246	5/30/00	Beser	713	201	
	EW	6,073,178	6/6/00	Wong et al.	709	229	
	EX	6,178,455	1/23/01	Schutte et al.	709	228	
	EY	6,208,656	3/27/01	Hrastar et al.	370	401	
	EZ	6,230,203	5/8/01	Koperda et al.	709	229	

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U.S. PATENT DOCUMENTS

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	FA	6,249,523	6/19/01	Hrastar et al.	370	401	
	FB	6,272,150	8/7/01	Hrastar et al.	370	486	
	FC	6,282,208	8/28/01	Bowcutt et al.	370	486	
	FD	6,286,058	9/4/01	Hrastar et al.	710	8	
	FE	6,295,298	9/25/01	Hrastar et al.	370	409	

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	FF	FR002716319A1	8/18/95	Germany	Patrice	H04L	9/32

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	FH	Data-Over Cable Service Interface Specifications; Cable Modem to Customer Premise Equipment Interface Specification; SP-CMCI-I02-980317; 1988; Cable Television Laboratories, Inc.; pps. 1-40
	FI	Data-Over Cable Service Interface Specifications; Cable Modem Telephony Return Interface Specification; SP-CMTRI-I01-970804; 1997; Cable Television Laboratories, Inc.; pps. 1-74
	FJ	Data-Over Cable Service Interface Specifications; Radio Frequency Interface Specification; SPRFIv1.1-I01-990311; 1999; Cable Television Laboratories, Inc.; pps. 1-310
	FK	Data-Over Cable Technical Reports; Operations Support System Framework for Data Over Cable Services; TR-DOCS-OSSIW08-961016; 1996; MCNS Holdings, LP; pps. 1-20

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	FM	Data-Over Cable Service Interface Specifications; Operations Support System Interface Specification Radio Frequency Interface; SP-OSSI-RFI-I03-990113; 1999; Cable Television Laboratories, Inc.; pps. 1-29
	FN	Data-Over Cable Service Interface Specifications; Operations Support System Interface Specification Baseline Privacy Interface MIB; SP-OSSI-BPI-I01-980331; 1998; pps. 1-33
	FO	Radio Frequency (RF) Interface Management Information Base for MCNS Compliant RF Interfaces draft-ietf-ipcdn-rf-interface-mib-04.txt; May 22, 1998; Guenter Roeck (editor); pps. 1-55
	FP	Cable Device Management Information Base for MCNS Complaint Cable Modems and Cable Modem Termination Systems draft-ietf-ipcdn-cable-device-mib-04.txt; May 22, 1998; Guenter Roeck (editor); pps. 1-32
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	FS	A Distribute Queueing Random Access Protocol for a Broadcast Channel; Wenxin Xu and Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); pps. 1-9
	FT	CBR Channels on a DQRAP-based HFC Network; Chien-Ting Wu, Graham Campbell; Illinois Institute of Technology (Comp. Science Dept); pps. 1-14
	FU	Interleaved DQRAP with Global TQ; Chien-Ting Wu, Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); pps 1-27
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	FZ	On IEEE 802.14 Medium Access Control Protocol; Ying-Dar Lin; 1998; pps. 1-13
	GA	On IEEE 802.14 Medium Access Control Protocol; Ying-Dar Lin; 1998; pps. 1-11
	GB	On IEEE 802.14 Medium Access Control Protocol; Ying-Dar Lin; 1998; pps. 1-10
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	GD	Cable Data Modem Performance Evaluation, A Primer for Non-Technical Readers; Cable Television Laboratories, Inc.; 11/15/96; pps. 1-8
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	GJ	Docsis 1.1 IGMP MIB; H. Abramson, Motorola; June 1999; pps. 1-13
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	GN	MAC Protocols for Multimedia Data over HFC Architecture; Dolors Sala Batlle; 10/27/95; pps. 1-28
	GO	An Access Protocol to Support Multimedia Traffic Over Hybrid Fiber/Coax Systems; John O. Limb, Dolors Sala; pps. 1-6
	GP	Simulation of the Performance of XDQRAP under a Range of Conditions; John O. Limb, Dolors Sala, Jason Collins, David Hartman, Daniel Howard; pps. 1-10
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	GT	The V Series Recommendations; Ed. 2; Uyless Black; McGraw-Hill, Inc.; 1995; pps. 169-184
	GU	Frame Relay Networks; Ed. 2; Uyless Black; McGraw-Hill, Inc.; 1996; pps. 159-176
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	GW	ISDN & SS7: Architecture for Digital Signaling Networks; Uyless Black; Prentice Hall; NJ; 1997; pps. 31-47
	GX	ISDN and Broadband ISDN with Frame Relay and ATM; Ed. 4; William Stallings; Prentice Hall; NJ; 1999; pps. 181-343; pps. 312-343
	GY	Extended DQRAP (XDQRAP); Chien-Ting Wu; Graham Campbell; Illinois Institute of Technology (Comp. Sci. Dept.); Jan. 8, 1995; pps. 1-4
	GZ	Dynamic Host Configuration Protocol; R. Droms; Network Working Group Request for Comments; 1993; pps. 1-39
	HA	Cisco Hot Standby Router Protocol (HSRP); T. Li, et al.; Network Working Group Request for Comments; 1998; pps. 1-17

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)

	HB	Address Allocation for Private Internets; Y. Rekhter, et al.; Network Working Group Request for Comments; 1994; pps. 1-8
	HC	Network 10 Considered Harmful (Some Practices Shouldn't be Codified); E. Lear, et al; Network Working Group Request for Comments; 1994; pps. 1-8
	HD	Unique Addresses are Good; E. Gerich; Network Working Group Request for Comments; 1995; pps. 1-3
	HE	Address Allocation for Private Internets; Y. Rekhter, et al.; Network Working Group Request for Comments; 1996; pps. 1-9
	HF	The IP Network Address Translator (NAT); E. Egevang, et al.; Network Working Group Request for Comments; 1994; pps. 1-10
	HG	IP Network Address Translator (NAT) Terminology and Considerations; P. Srisuresh, et al.; Network Working Group Request for Comments; 1999; pps. 1-24
	HH	Load Sharing Using IP Network Address Translation (LSNAT); P. Srisuresh, et al.; Network Working Group Request for Comments; 1998; pps. 1-18
	HI	DNS Extensions to Network Address Translators (DNS_ALG); P. Srisuresh, et al.; Network Working Group Request for Comments; 1999; pps. 1-29
	HJ	Security Model with Tunnel-Mode IPsec for NAT Domains; P. Srisuresh, et al.; Network Working Group Request for Comments; 1999, pps. 1-11

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	HK	Network Address Translation - Protocol Translation (NAT-PT); G. Tsirtsis, et al.; Network Working Group Request for Comments; 2000; pps. 1-21
	HL	Stateless IP/ICMP Translation Algorithm (SIIT); E. Nordmark; Network Working Group Request for Comments; 2000; pps. 1-26
	HM	FTP Extensions for IPv.6 and NATs; M. Allman, et al.; Network Working Group Request for Comments; 1998; pps. 1-8
	HN	PPP Bridging Control Protocol (BCP); F. Baker et al.; Network Working Group Request for Comments, June 1994; pps. 1-28
	HO	TCP/IP Illustrated, Volume 1 - The Protocols; W. Richard Stevens; Addison-Wesley Longman, Inc.; January 1999; Chapters 1, 2, 3, 4, 9, 10, 11, 16, 25

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